

ABSTRACT OF THE DISCLOSURE

A magnetic reproducing device which includes a signal detecting means for detecting a signal from a magnetic recording medium by a coil, an amplifying means for amplifying the signal detected by the signal detecting means, a filtering means for filtering the signal amplified by the amplifying means, and a capacitor connected in parallel to the coil of the signal detecting means. In this device, the actual resonance frequency of a resonance circuit including the coil, the capacitor and a floating capacitance is set to be four to eight times the maximum reproduced frequency, thereby attenuating the high-frequency high-energy electromagnetic noise inputted to the magnetic reproducing device.